

CDCR ENGERY EFFICIENCY PROJECT ENERGY SAVINGS for 2008-2012

Program Year	Facility	Construction Cost	Incentive Amount	Energy Savings (kWh)	Energy Savings (therms)	Utility Bill Savings (\$/Yr)	GHG Savings (metric ton CO2 equivalent)	Net Simple Payback (Yrs)	Project Description	Year Complete
										Year Complete
2008	Valley State Prison for Women	\$1,063,476	\$367,515	1,317,866	51,476	\$132,528	755	5.3	Lighting improvements, kitchen equipment upgrade, laundry improvements	2008
2008	Central California Women's Facility	\$352,331	\$169,921	717,148	0	\$48,564	262	3.8	WWTP aerator improvements	2008
2008	California Institution for Women	\$341,752	\$96,370	527,852	0	\$2306.0	193	4.7	Lighting retrofit and programmable thermostats	2008
2008	Pleasant Valley State Prison	\$1,141,996	\$413,165	1,721,519	0	\$147,787	630	4.9	WWTP aerator improvements, motor controls and lighting retrofits	2008
2008	Wasco State Prison	\$1,128,295	\$512,347	1,815,408	76,649	\$183,154	1,070	3.4	HVAC control, VFDs for water pumps WWTP oxygen sensors	2008
2008	Corcoran State Prison	\$1,277,232	\$800,000	3,421,376	18,665	\$273,710	1,351	1.7	Energy Management Control System	2008
2008	Ironwood State Prison	\$1,574,935	\$904,119	3,474,488	70,242	\$277,959	1,644	2.4	Housing unit fan VFDs	2008
2008	California Correctional Institution	\$761,946	\$279,499	1,164,578	0	\$104,812	426	4.6	WWTP areation controls and lighting retrofits	2008
Major Lighting Retrofit Projects										
2008	Corcoran State Prison	\$975,196	\$461,394	1,922,476	0	\$144,185	704	3.6	Facility wide interior lighting retrofit	2008
2008	Mule Creek State Prison	\$846,829	\$280,136	1,167,234	0	\$115,533	427	4.9	Facility wide interior lighting retrofit	2008
2008	North Kern State Prison	\$842,746	\$350,836	1,461,816	0	\$126,103	535	3.9	Facility wide interior lighting retrofit	2008
2008	CSP Los Angeles County	\$1,015,438	\$439,966	1,833,193	0	\$258,914	671	2.2	Facility wide interior lighting retrofit	2008
2008 SUB-TOTAL		\$11,322,171	\$5,075,268	20,544,954	217,032	\$1,865,555	8,669	3.8		
2009	RJ Donovan State Prison	\$1,277,006	\$407,514	1,497,959	48,004	\$176,100	802	4.9	Laundry upgrades and lighting retrofits	2009
2009	Mule Creek State Prison	\$1,190,483	\$455,536	1,401,494	119,177	\$176,831	1,144	4.2	Housing unit fan VFDs	2009
2009	CSP Los Angeles County	\$1,051,192	\$388,401	1,370,901	59,385	\$227,304	816	2.9	Refrigeration controls, lighting retrofits and HVAC controls	2009
2009 SUB-TOTAL		\$3,518,680	\$1,251,451	4,270,354	226,566	\$580,235	2,763	4.0		
2010	Corcoran State Prison	\$820,561	\$284,823	1,186,761	0	\$107,995	434	5.0	HID Lighting (1st Split)	2010
2010	California Rehabilitation Center	\$905,522	\$330,956	1,378,982	0	\$124,108	505	4.6	Lighting Retrofit Project	2010
2010	RJ Donovan State Prison	\$197,713	\$100,509	52,417	31,542	\$27,193	186	3.6	Phase 2- Lighting & Steam System Upgrades	2010
2010	San Quentin State Prison	\$27,896	\$13,466	56,109	0	\$4,489	21	3.2	Phase 2- Induction Lighting Purchase	2010
2010	Wasco State Prison	\$114,466	\$51,188	213,284	0	\$17,063	78	3.7	Phase 4- Induction Lighting Purchase	2010
2010 SUB-TOTAL		\$2,066,158	\$780,942	2,887,553	31,542	\$280,848	1,224	4.0		
2011	California Correctional Institution	\$1,234,950	\$448,550	430,116	345,322	\$317,476	1,986	2.5	Boiler replacement Project (Remove IV A/B from Central Steam Loop)	End of 2011
2011	Corcoran State Prison	\$797,597	\$191,063	1,227,687	0	\$111,720	449	6.3	HID Lighting (2nd Split)	2011
2011	Corcoran State Prison	\$1,463,999	\$699,932	2,637,607	66,906	\$260,743	1,320	2.6	Phase 2- Energy Management System	2011
2011	California Rehabilitation Center	\$999,208	\$231,901	45,505	220,980	\$186,852	1,187	4.1	Boiler Replacement Project	End of 2011
2011	Correctional Training Facility & Salinas Valley State Prison	\$1,984,393	\$568,134	1,034,517	319,850	\$361,780	2,072	3.9	Water Heaters, Boiler & Lighting	End of 2011
2011	Substance Abuse Treatment Facility	\$2,094,337	\$1,349,243	5,413,745	49,944	\$532,107	2,246	1.1	Energy Management System	2011
2011	Correctional Training Facility	\$1,300,000	\$113,249	0	113,249	\$92,864	600	12.8	South Facility Boiler Replacement (Capitol Outlay Funded)	End of 2011
2011	North Kern State Prison	\$39,203	\$18,187	75,778	0	\$6,062	28	3.5	Bulk Lighting Purchase	2011
2011	San Quentin, Wasco & Mule Creek State Prisons	\$262,069	\$99,505	414,606	0	\$33,168	152	4.9	Bulk Lighting Purchase	End of 2011
2011 SUB-TOTAL		\$10,175,756	\$3,719,764	11,279,561	1,116,251	\$1,902,772	10,040	4.6		
2012 PROJECTS WITH ESTIMATED SAVINGS AND PRE-APPROVED LOANS										
2012	Substance Abuse Treatment Facility	\$1,000,000	\$240,000	1,000,000	0	\$86,000	366	8.8	Replace all HID Lighting and first generation T-8 Lighting	2012
2012	Valley State Prison for Women & Central California Womens Facility	\$2,612,581	\$1,024,051	3,013,544	300,801	\$477,073	2,696	3.3	Lighting upgrades, water controls for shower and sinks, and dryers	2012
2012	Pleasant Valley State Prison	\$1,567,357	\$411,174	1,404,688	74,049	\$184,939	906	6.3	HVAC controls and Lighting	2012
2012	California Rehabilitation Center	\$1,267,572	\$332,868	824,630	134,957	\$194,715	1,016	4.8	Energy Management System	2012
2012	California State Prison, Los Angeles County	\$1,886,800	\$767,704	3,198,766	22,000	\$207,055	1,287	5.4	VFD motors and Lighting	2012
2012	Kern Valley State Prison	\$2,466,440	\$968,109	3,908,789	30,000	\$312,700	1,589	4.8	VFD motors and Lighting	2012
2012 SUB-TOTAL		\$10,800,750	\$3,743,906	13,350,417	561,807	\$1,462,482	7,861	5.6		
TOTALS		\$37,883,516	\$14,571,330	54,640,918 (kWh)	2,155,747 (therms)	\$6,091,892	31,298 (metric tons)	4.4		

Incentive Amount is provided by Investor Owned Utilities